

Data sheet

Hydraulic data

| | |
|-------------------------------------|------------------------|
| Minimum efficiency index (MEI) | 0,4 |
| Max. operating pressure p | 10 bar |
| Maximum operating pressure PN | 10 bar |
| Min. fluid temperature T_{\min} | -20 °C |
| Max. fluid temperature T_{\max} | 120 °C |
| Max. ambient temperature T_{\max} | 40 °C |
| Flow max Q_{\max} | 55,5 m ³ /h |
| Flow opt Q_{opt} | 38,3 m ³ /h |
| Head max H_{\max} | 22,0 m |
| Head opt H_{opt} | 18,3 m |
| Head $H_{Q_{\min}}$ | 22,0 m |
| Head H_{20} | 21,5 |
| Head H_{40} | 17,8 |

Motor data

| | |
|----------------------------------|-----------------|
| Mains connection | 3~400 V, 50 Hz |
| Voltage tolerance | ±10 % |
| Rated power P_2 | 3 kW |
| Rated current I_N | 6,15 A |
| Rated speed n | 2900 1/min |
| Power factor $\cos \varphi$ | 0,79 |
| Motor efficiency η_M 50% | 82,5 Percentage |
| Motor efficiency η_M 75% | 84,6 Percentage |
| Motor efficiency η_M 100% | 87,1 Percentage |
| Motor winding up to 3 kW | - |
| Motor winding from 4 kW | - |
| Insulation class | F |
| Protection class motor | IP55 |
| Integrated full motor protection | - |

Materials

| | |
|-----------------|-----------------|
| Pump housing | Cast iron |
| Impeller | PPE/PS-GF30 |
| Shaft | Stainless steel |
| Mechanical seal | AQ1EGG |
| Lantern | Cast iron |

Installation dimensions

| | |
|---|--------|
| Pipe connection on the suction side DN_s | DN 50 |
| Pipe connection on the pressure side DN_d | DN 50 |
| Port-to-port length L_0 | 340 mm |